



For waterproofing of wet room surfaces prior to installation of ceramic tiles. Suitable for both domestic and communal locations. ETA-approved in accordance with Etag 022

- For interior and exterior use
- Crack bridging, anti-fracture membrane
- Approved for wet rooms
- Pools – max. depth 15 m
- Suitable for use on balconies, and terraces
- Rapid setting
- Smooth consistency and good workability
- Approved for radon protection

Product

Alfix 2K Sealing Membrane, 2-part tanking system consisting of:

1. Alfix 2K Binder, polymer dispersion
2. Alfix Quick cement

Available in standard grey and through-coloured white.

Coverage

Approx. 1.2 - 1.5 kg/m² per mm coat thickness.

Packaging

10 kg plastic buckets.

Surfaces

Cement/sand rendering, older than 2 days
Concrete, older than 14 days, max. 90% relative humidity
Lightweight concrete, max. moisture content 8%
Aerated concrete
Screed, older than 2 days
Existing tiles and terrazzo.
Plywood, only floors. Max. moisture content 7 - 12%
Gypsum plaster, fibre-reinforced plasterboards, plasterboards.
Cementitious boards suitable for wet room use.

Surface preparation

The surface should be dimensionally stable, sound, and clean. Free from laitance, grease, and dust. There should be no blooms, crack formations, or residues from form oil.

All absorbent, moisture-sensitive surfaces, such as rendering, brick work, aerated concrete, concrete, light-weight concrete, screed, cementitious or PVC boards should be primed with Alfix Primer (Sealing Primer), diluted 1:1 with water. Plaster boards for wet room use and fibre-reinforced boards should be primed twice with Alfix Primer undiluted to full coverage.

For other wet room boards, please consult our Technical Services Dept.

Plywood (floors only) should be primed with 2 applications of Alfix Primer; first coat should be applied diluted 1:3 with water. Second coat applied undiluted.

Existing tiles and terrazzo should be cleaned with Alfix Deep Cleaner.

Sealings

For sealing around floor drains, use self-adhesive Alfix Drain-mat. Remove half the protective silicon paper along the perforated line and subsequently fix to substrate and gully installation. Degrease gully flange before overbridging with drain mat. Remove any clam ring!

In junctions between wall and floor, for internal vertical corners, and around pipe penetrations or sanitary installations, use self-adhesive Alfix Seal-Strip. Application of Alfix Seal Strip is made by folding the strip together along the longitudinal cross cut and subsequently removing the protective silicon paper along the perforated line. Press the strip firmly to the substrate.

Alternatively, use Alfix Reinforced Strip bedded in sealing membrane.

For bridging over cracks and for reinforcing joints, use Alfix Reinforced Strip bedded in Alfix Sealing Membrane 2K.

Instructions for use

Carefully add Alfix Quick Cement to Alfix 2K Binder in the proportion 1:1 while stirring with a rotating drill. Mix until a smooth, lump-free paste is obtained. Working time is approx. 2 hours

Apply sealing membrane to the surface to full coverage leaving no voids.

For wet room use, coverage should be 1.2 - 1.5 kg/m².

For pools and basement walls, coverage should be 2.5 kg/m².

Apply 2-3 applications with steel trowel. First application should be a thin pore filling coat leaving no voids. Subsequent applications should be made with 4x4 mm notched trowel. Complete by smoothing the surface with straight trowel edge. When used in wet rooms, ensure that Reinforcing Tape, Seal-Strip, and Drain mat are completely over-bridged.

For pools, only use Alfix 2K Sealing Membrane in standard grey and Alfix Reinforcing Strip.

Drying time after first coat: 0.5 – 1 hour

Drying time after second (and third) coat: approx. 6 hours

Even by low temperatures or exposed to high humidity total drying time will not exceed 24 hours.

NB!

Mixing of subvolume: Mixing ratio: 3 parts binder to 1 part cement by weight/volume. For example, measure 0.5 litre of cement and 1.5 litre of binder in a clean bucket of suitable size, and mix with stirrer on drilling machine to a smooth mixture.

During work substrate and membrane should hold the same temperature. Protect membrane from heat or draught.

Thicknesses exceeding 2 mm may cause crack formations.

Precautions

 1073	Alfix A/S H.C. Ørstedes Vej 11-13 DK-6000 Kolding alfix.com 10 1073-CPR-314-1 14 1073-CPR-314-3 EAD 030352-00-0503 EAD 030436-00-0503	Alfix 2K ETA-09/0047 ETA-11/0501 Declaration of performance No. 18
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	Alfix A/S H.C. Ørstedes Vej 11-13 DK-6000 Kolding alfix.com 13	Declaration of performance No. 18	EN 14891:2017 Alfix 2K Liquid-applied water impermeable product. For internal and external installations. EN14891: CM O2P
Initial tensile adhesion strength	≥ 0,5 N/mm ²	Tensile adhesion strength after water contact	≥ 0.5 N/mm ²
Tensile adhesion strength after heat ageing:	≥ 0,5 N/mm ²	Tensile adhesion strength after contact with lime water	≥ 0.5 N/mm ²
Tensile adhesion strength after freeze-thaw cycles	≥ 0,5 N/mm ²	Waterproofing	Watertight, ≤ 20 g weight increase
Tensile adhesion strength after contact with chlorinated water	≥ 0,5 N/mm ²	Crack bridging ability:	≥ 0.75 mm
Crack-bridging ability at low temperature at -5 °C	≥ 0,75 mm	Release of dangerous substances	See material safety data sheet www.alfix.com
Crack bridging at very low temperature, -20°C	≥ 0,75 mm		

Cleaning

Tools should be cleaned with water before residues start to set. Once set, 2K Sealing membrane can be removed mechanically.

Tile fixing

For tile fixing, use Alfix LetFix Universal or Alfix CombiFix depending on substrate and tile.

Test

EAD 030352-00-0503 and EAD 030436-00-0503.

The product also fulfil the requirements for use in pools, according to the guiding principles in German building regulations: "Testing principles for being granted a general technical approval or test certificate from the building authorities, for sealing materials in combination with tiles and surface coatings – part 1: Composite - sealing systems for fluid sealing applications." Issue February 2008.

Technical enquiries

Tanking around floor drains
 Wet rooms – Tanking with Alfix
 Product info on:

- Alfix Primer
- Alfix Deep Cleaner
- Alfix Tanking accessories

Product health and safety sheet/COSH for both binder and cement. For further information, please consult our Technical Services Dept. For latest update of this product info, visit www.alfix.com

Technical data

Working temperature	+10°C - +30°C
Density	1.2 - 1.3 kg/litre
Working time	Approx 2 hours
Drying time First coat:	1 hour at +20°C
Second coat: approx.	6 hours at +20°C
Tile fixing	Approx. 6 hours after applying last coat days at +20°C
Curing time	14 days at +20°C
Tensile adhesion strength	concrete : 0.8 - 1.2 N/mm ²
Temperature resistance	+60°C
Shelf life	Min. 6 months in unopened packaging. Keep free from frost at stable temperatures ranging between 10–25°C. If exposed to large fluctuations in temperature, the binder part may become lumpy.

Water vapour resistance

Coverage	Waterproofing	Test climate	Z i GPa m ² s/ kg	Z i s/m	Sd i m
0,2 ltr./m ² Primer	1,5 kg/m ² 2K	RF75/100	140	1.000.000	27
0,1 ltr./m ² Primer	1,5 kg/m ² 2K	RF93/50	70	500.000	13
0,1 ltr./m ² Primer	1,5 kg/m ² 2K	RF93/50	14	100.000	3